

Release notes for ENDF/B Development d-003\_Li\_006  
evaluation

**ENDF**  
**B-VII**.dev

December 2, 2016

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT= 325, MF= 1, MT=451 (1): Parsing stopped*

```
ERROR(S) FOUND IN MAT= 325, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      61 TO      70
```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT= 325, MF= 1, MT=451 (0): Variable range*

```
ERROR(S) FOUND IN MAT= 325, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      61
```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT= 325, MF= 3, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT= 325, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      72
```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT= 325, MF= 3, MT= 50 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT= 325, MF= 3, MT= 50
SECTION 3/ 50 NOT IN DIRECTORY      RECORD NUMBER      77
```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT= 325, MF= 3, MT=600 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT= 325, MF= 3, MT=600
SECTION 3/600 NOT IN DIRECTORY      RECORD NUMBER      104
```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT= 325, MF= 3, MT=800 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT= 325, MF= 3, MT=800
SECTION 3/800 NOT IN DIRECTORY      RECORD NUMBER      131
```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT= 325, MF= 6, MT= 2 (0): Directory (b)*

```
ERROR(S) FOUND IN MAT= 325, MF= 6, MT= 2
SECTION 6/ 2 NOT IN DIRECTORY      RECORD NUMBER      158
```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT= 325, MF= 6, MT= 50 (0): Directory (b)*

ERROR(S) FOUND IN MAT= 325, MF= 6, MT= 50  
SECTION 6/ 50 NOT IN DIRECTORY RECORD NUMBER 369

8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT= 325, MF= 6, MT=600 (0): Directory (b)*

ERROR(S) FOUND IN MAT= 325, MF= 6, MT=600  
SECTION 6/600 NOT IN DIRECTORY RECORD NUMBER 513

9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT= 325, MF= 6, MT=800 (0): Directory (b)*

ERROR(S) FOUND IN MAT= 325, MF= 6, MT=800  
SECTION 6/800 NOT IN DIRECTORY RECORD NUMBER 657

• fudge-4.0 Errors:

1. There is a gap in the cross section  
*reaction label 0: H2 + Li6 / Cross section: (Error # 0): Gap in xsect.*

WARNING: Gap in cross section data from 5.e6 eV to 20. MeV

2. There is a gap in the cross section  
*reaction label 1: n + Be7 / Cross section: (Error # 0): Gap in xsect.*

WARNING: Gap in cross section data from 5.e6 eV to 20. MeV

3. Calculated and tabulated Q values disagree.  
*reaction label 1: n + Be7 (Error # 1): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 3893420.474197388 eV vs 3.3816e6 eV!

4. There is a gap in the cross section  
*reaction label 2: H1 + Li7 / Cross section: (Error # 0): Gap in xsect.*

WARNING: Gap in cross section data from 5.e6 eV to 20. MeV

5. Calculated and tabulated Q values disagree.  
*reaction label 2: H1 + Li7 (Error # 1): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 5054861.613990784 eV vs 5.0259e6 eV!

6. There is a gap in the cross section  
*reaction label 3: He4 + He4 / Cross section: (Error # 0): Gap in xsect.*

WARNING: Gap in cross section data from 5.e6 eV to 20. MeV

7. Calculated and tabulated Q values disagree.  
*reaction label 3: He4 + He4 (Error # 1): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 20922751.41836929 eV vs 2.2374e7 eV!